

ABSTRACT OF THE DISCLOSURE

2           A method for manufacturing an electrolytic tilt sensor comprises: a) forming sensing  
electrodes on a generally planar surface of a dielectric substrate; b) forming a reference electrode  
4   on the surface; c) mounting a housing to the substrate so that the sensing electrodes and the  
reference electrode are contiguous to a volume defined between the housing and the substrate; d)  
6   forming a fluid tight seal between the housing and the substrate; e) injecting an electrolytic fluid  
into the volume; f) sealing the electrolytic fluid in the volume; and g) forming an electrical circuit  
8   on the substrate for generating an output signal representing the angle of the dielectric substrate  
with respect to a gravitational field, wherein the electrical circuit includes an oscillator mounted  
10   on the surface.